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Optimum Design of a By-pass Engine with Flow Mixing, by A. Hartman.
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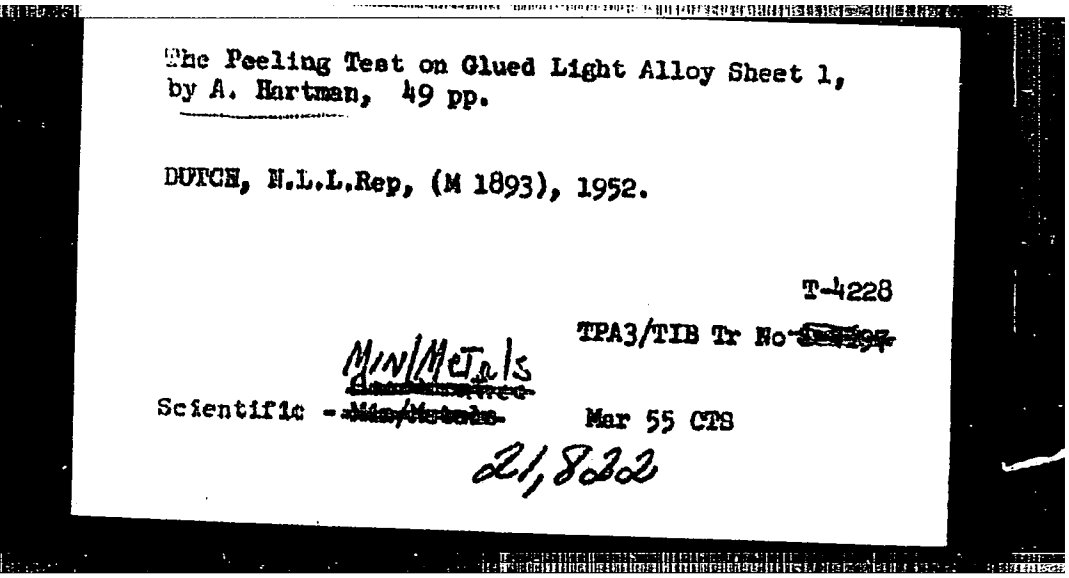

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Hartman, Helmut, Hofmann, Wilhelm, and Gerhard, S. OXYGEN DETERMINATION IN ZINC AND MAGNESIUM. [1961] (refs., 2 tables omitted).
Order from SLA $1.10 61-20692

Trans. of Z[eitschrift für Metallk[unde] (Germany) 1958, v. 49 [no. 9] p. 461-463.

DESCRIPTORS: *Zinc, *Magnesium, Chemical analysis, *Oxygen, Determination.

The procedure is based on $ZnO + H_2S = ZnS + H_2O$. Hydrogen sulfide was conducted over the zinc melt at 550° with hydrogen as carrier. The water which is formed is caught in a U-shaped absorption tube with phosphor pentoxide and weighed. In this manner oxygen content between 0.0004 and 0.0006% was determined for various types of zinc in compact form. Results show that the determination of O_2 in metallic magnesium is made in the same way as in zinc. (Author)

I. Hartmann, H.
II. Hofmann, W.
III. Gerhard, S.

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(Chemistry--Physical, TT, v. 7, no. 2)
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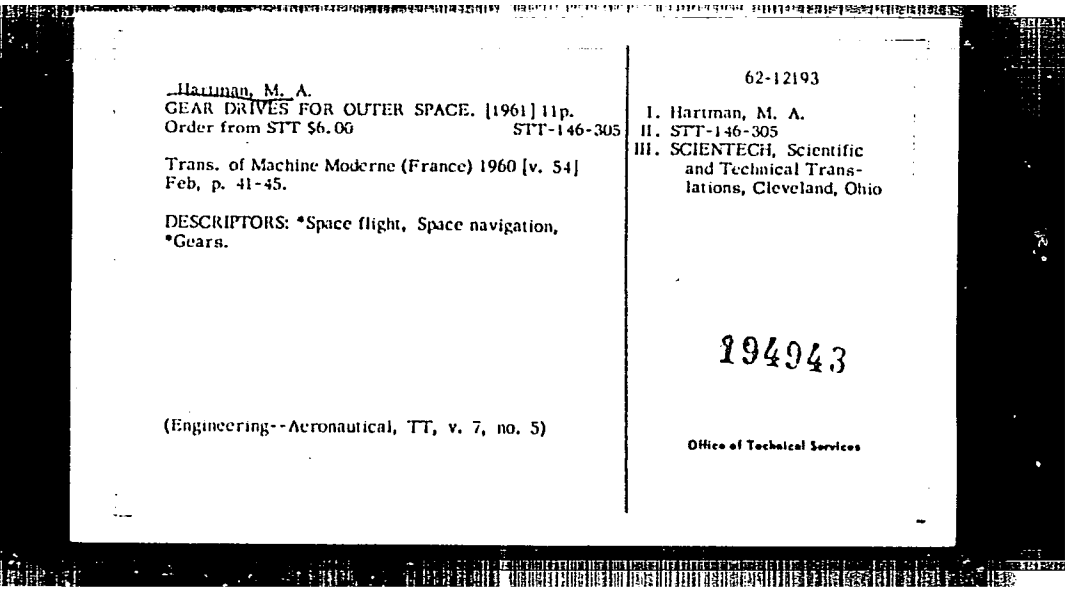

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Trans. of Machine Moderne (France) 1960 [v. 54] Feb, p. 41-45.

DESCRIPTORS: *Space flight, Space navigation, *Gears.

(Engineering--Aeronautical, TT, v. 7, no. 5)

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Hartman, P.
THE STRUCTURAL MORPHOLOGY OF QUARTZ.
[1961] 14p. 7 refs.
Order from SLA $1.60 61-14761

Trans. of Soc[iété] Franç[aise de] Minér[alogie et de] Crist[allographie]. Bulletin, 1959, v. 82, p. 335-340.

DESCRIPTORS: *Quartz crystals, Quartz, *Crystal structure.

A study is presented of the agreement between crystalline structure and morphology of ternary quartz. The absence of the base can be explained by assuming that the growth units are SiO_2 or Si_2O_4 molecules. The m prism and the two r and z rhombohedra are of the F type. The s $(11\bar{2}1)$ and x $(51\bar{6}1)$ forms are of the S type. The faces of the trapezohedron $(51\bar{6}1)$ are nearly parallel to the directions, in which the interaction energy of the P.B.C. is zero. (Author)

(Physics--Solid State, TT, v. 6, no. 1)

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I. Hartman, P.

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Arrangement for Acidity Determination in a Half Cell Potentiometer Circuit With Automatic Temperature Balance, by Hartmann, Braun, 6 pp.

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GERMAN, per, Kolloid-Zeitschrift, Vol CXXXVII, No 2/3, 1954, pp 79-86.

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STAHL UND EISEN, vol 54, 1934

Investigations of Viscosity of Iron and Steel Slags.

Brutcher #188, $5.50

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ARCHIV EISENHUTTENWESSEN, vol 10, 1936, pp 45-52.

Investigation of Viscosity of Open Hearth Slags

Brutcher #333, $5.90

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HARTMANN F.

Stahl Und Eisen, vol. 57, 14 figures, 3900 words; 1937.

Attack of Alkalies upon Refractories.

A 3961

Brutcher Trans, Order No. 451, $3.90.

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Harbord, F.

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Test Method for Quantitative Determination of the Action of Slag and Flying Dust upon Refractories.

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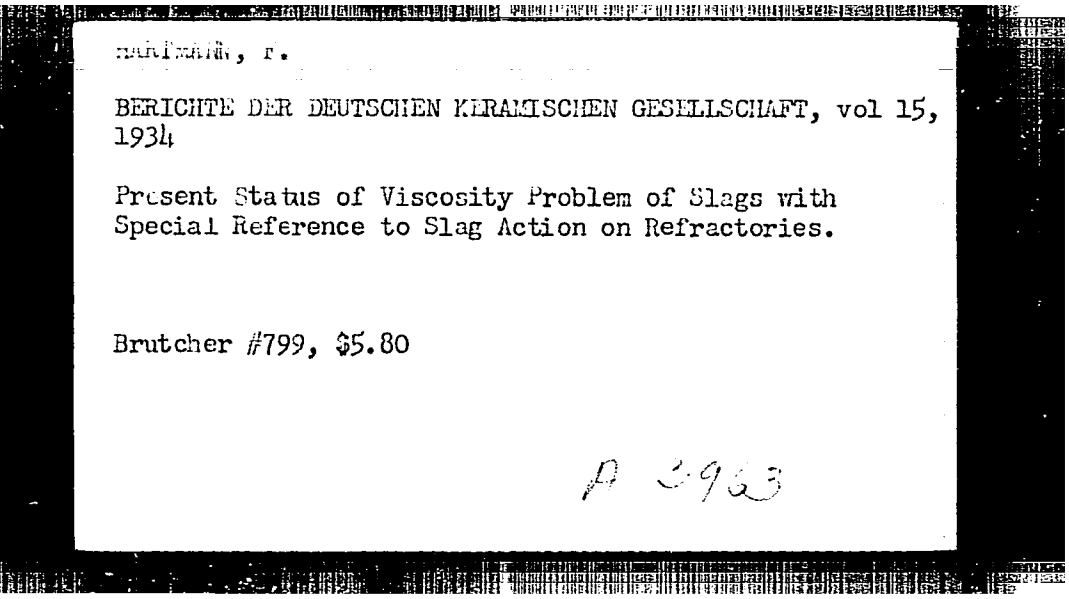

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Causes of Destruction in Blast Furnace Shaft Bricks, by F. Hartmann.

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THE BIOCHEMICAL AND MACROMOLECULAR BASES OF A PATHOLOGY OF CONNECTIVE TISSUE (Die Biochemischen und Makromolekularen Grundlagen einer Pathologie der Bindegewebe). Aug 62, 24p. 87 refs.
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DESCRIPTORS: Biochemistry, *Molecular structure, *Pathology, *Connective tissues, Collagen, Cells (Biology).

(Biological Sciences--Biochemistry, TT, v. 9, no. 11)

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HARTMANN, F.

Stahl Und Eisen, vol. 60, 3 figures, 5 tables, 1900-word abstract; 1940.

Physical Behavior of Ores and Additions in the Blast Furnace.

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HARTMANN, E.

Stahl Und Eisen, vol. 63, 13 figures, 1 table, 3600 words; 1943.

Physical and Chemical Processes in the Sintering of Iron Ores.

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Investigations of the Contents in Hyaluronidase in the Serum of Healthly and Rheumatic Individuals and the Possibility to Inhibit the Activity of Hyaluronidase, by F. Hartmann, G. Matijevic. GERMAN, per, Zeit fur Rheumaforschung, Vol 11, 1952, pp 23-31.
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10 figures, 3 tables, 6400 words.

The Movement of Slag Particles in Liquid Steel.

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Forest Humus Types, by F. Hartmann.
GERMAN, Der Waldboden: Humus-,Boden-und
Wurzeltypen als Standortsanzeiger. 1951,
Osterreichisches Produktivats-Zentrum Wien.
pp 11-17
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The Physical Behaviour of Ores and Additions in the Blast Furnace, by Fritz Hartmann.

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WEur - Germany
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GERMAN, per, Mitt Ver Grosskesselbesitzer, No 52, Feb 1958, pp 54-60.
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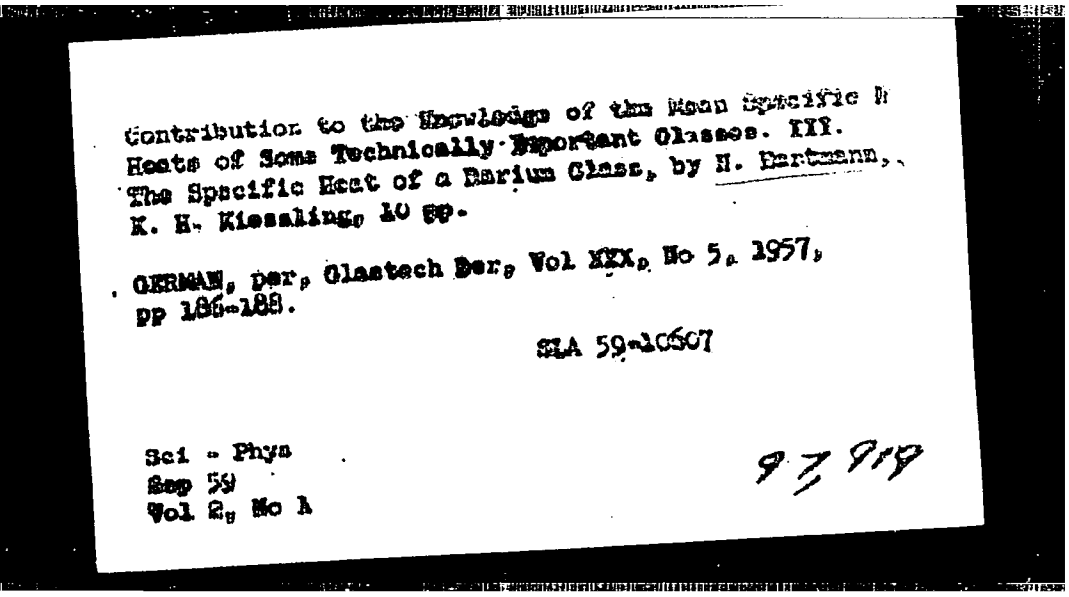

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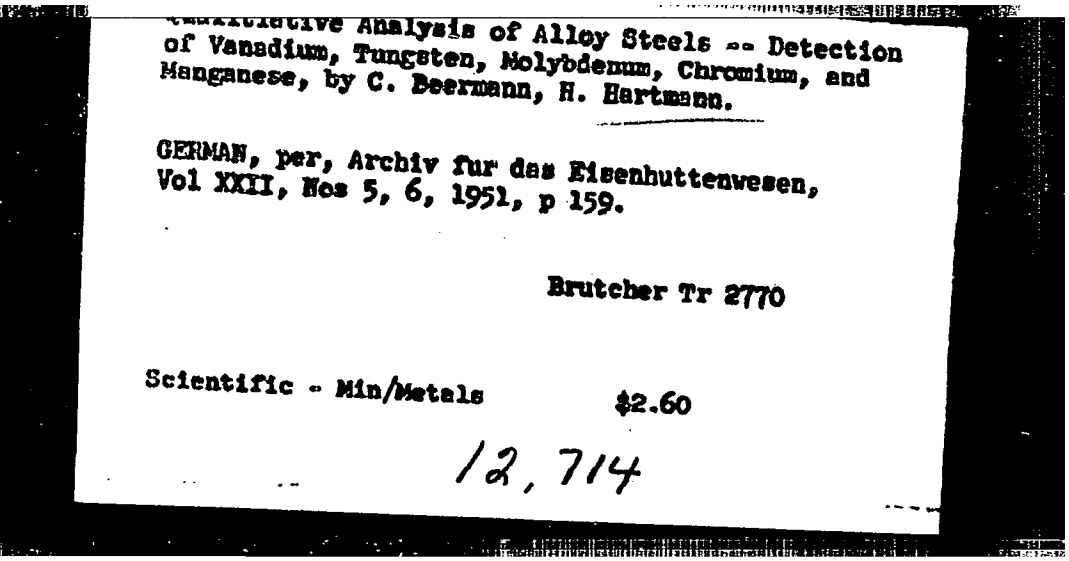

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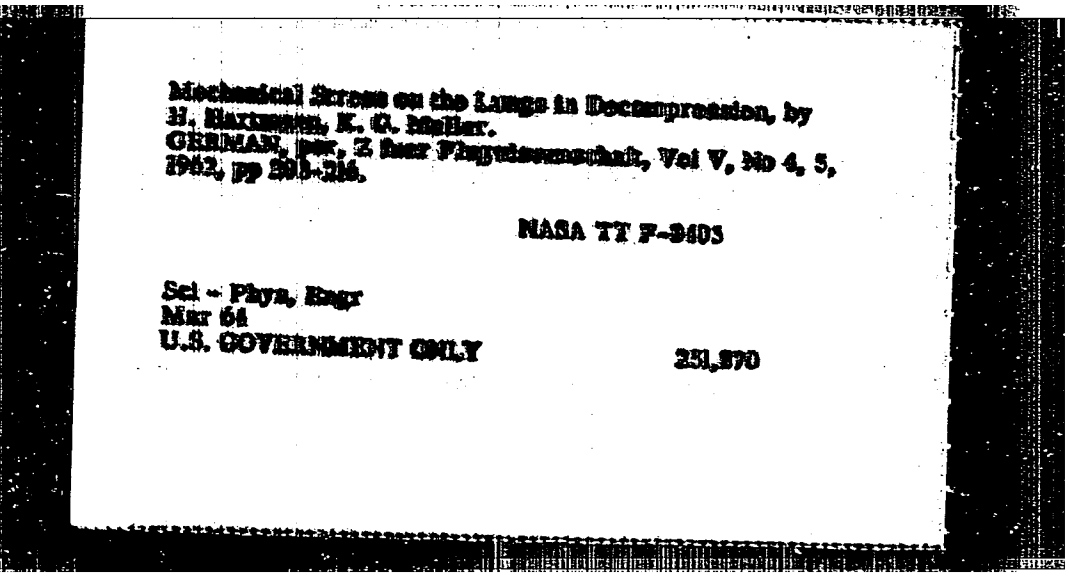

Mechanical Stress on the Lungs in Decompression, by
H. Hartmann, K. G. Muller.
GERMAN, pub. Z Luft Weltraummedizin, Vol V, No 4, 5,
1962, pp 203-216.

NASA TT F-9403

Sci - Phys, Engr
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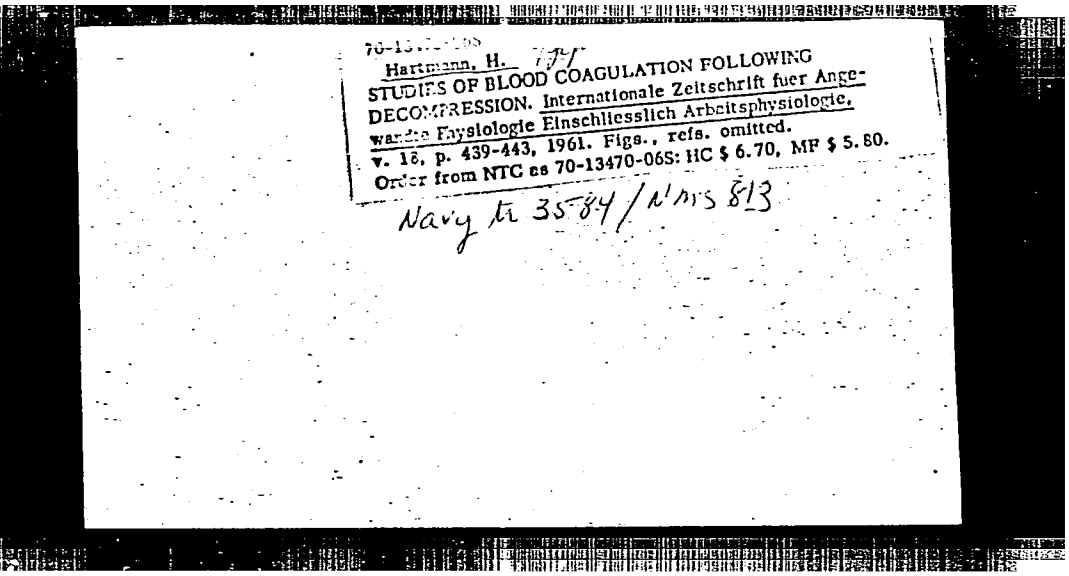

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Hartmann, H.
STUDIES OF BLOOD COAGULATION FOLLOWING DECOMPRESSION. Internationale Zeitschrift fuer Angewandte Physiologie Einschliesslich Arbeitsphysiologie, v. 18, p. 439-443, 1961. Figs., refs. omitted.
Order from NTC as 70-13470-06S: HC $ 6.70, MF $ 5.80.
Navy M 3584/NAVS 813

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Studies on Blood Coagulation Following Decompression, by H. Hartmann, 7 pp.

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Sci - Biol & Med
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APPROVED FOR RELEASE: 08/15/ 2001 CIA-RDP84-00581R000100210021-1

Dropping Mercury Electrode with a High [illegible]
Rate of Drop Formation, by H. Hartmann, G Buden,
4 pp.

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pp 606-607.

AEC-33J190

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Thermoplastic Adhesives - Fundamentals, Requirements, and Definitions, by H. Hartmann GERMAN, per, Adhasion, Vol 8, No 10, 1964, pp 424-428
NTC 71-15262-11A

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APPROVED FOR RELEASE: 08/15/ 2001 CIA-RDP84-00581R000100210021-1

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The Absorption of Nitrogen by Calcium and its Alloys,
by ~~Erich~~ O. Ruff, H. Hartmann, UNCLASSIFIED

GERMAN, per, ~~XXX~~ Z. anorg. Chem., Vol CXXI, 1922,
pp 167-177.

TPA3/TIB
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Scientific - Chemistry

APPROVED FOR RELEASE: 08/15/ 2001 CIA-RDP84-00581R000100210021-1

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(2496-S)

Radio Stations on Ruegen Island, by Hans-Juergen Hartmann, 8 pp.

GERMAN, per, Radio und Fernsehen, No 16, Berlin, Aug 1958, pp 497-500.

JPRS-1474-S

EAir - East Germany
Econ - Communications
Apr 59

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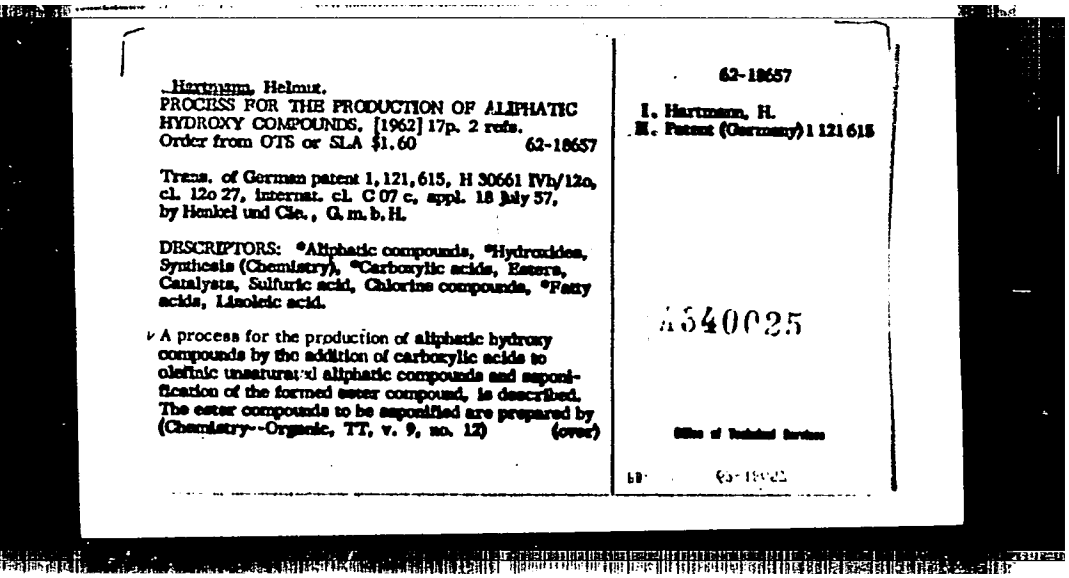

Hartmann, Helmut.
PROCESS FOR THE PRODUCTION OF ALIPHATIC HYDROXY COMPOUNDS. [1962] 17p. 2 refs.
Order from OTS or SLA $1.60 62-18657

Trans. of German patent 1,121,615, H 30661 IVb/12o, cl. 12o 27, internat. cl. C 07 c, appl. 18 July 57, by Henkel und Cie., G. m. b. H.

DESCRIPTORS: *Aliphatic compounds, *Hydroxides, Synthesis (Chemistry), *Carboxylic acids, Esters, Catalysts, Sulfuric acid, Chlorine compounds, *Fatty acids, Linoleic acid.

A process for the production of aliphatic hydroxy compounds by the addition of carboxylic acids to olefinic unsaturated aliphatic compounds and saponification of the formed ester compound, is described. The ester compounds to be saponified are prepared by (Chemistry--Organic, TT, v. 9, no. 12) (over)

62-18657

I. Hartmann, H.
II. Patent (Germany) 1 121 615

A540025

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PB [illegible]

APPROVED FOR RELEASE: 08/15/ 2001 CIA-RDP84-00581R000100210021-1

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A New Reagent for the Gravimetric and Volumetric Analytical Determination of Nitrite Ion, by Prof Dr Helmut Hartmann, G. Bathge.

GERMAN, Inorganic Chemical Institute of TH Braunschweig

AEC Tr 1686

J. L. A. 237

Scientific - Chemistry

Sep 53 CTS

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The Effect of Methyl Groups Upon the Ionization Potential of Aromatic and Unsaturated Compounds, by Hermann and Svendsen Hartmann, Bonnevie Noj, 15 pp.

GERMAN, per, Zeit fuer Physik Chem, Vol XI, 1957, pp 16-29.

SIA 59-10666

Sci - Chem
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Vol 2, No 1

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APPROVED FOR RELEASE: 08/15/ 2001 CIA-RDP84-00581R000100210021-1

APPROVED FOR RELEASE: 08/15/ 2001 CIA-RDP84-00581R000100210021-1

Hartmann, Hermann and Rinck, Günter.
THE DISPROPORTIONATION EQUILIBRIUM OF TITANIUM TRICHLORIDE. [1960] 25p. (3 figs. omitted) 30 refs.
Order from SLA mi$2.70, ph$4.80 61-10385

Trans. of Zeitschrift für Physikalische Chemie [Frankfurt] (West Germany) 1957, Neue Folge v. 11 [no. 3/4] p. 213-233.

The equilibrium of the disproportionation of titanium trichloride was measured between 540 and 700°C according to the method of "freezing" the equilibria by chilling. The partial pressure of $TiCl_4$ increases considerably with rising temperature. The disproportionation is therefore endothermic. In the temperature region investigated a mean reaction enthalpy of $\Delta H^o = 35.5 \pm 0.5$ kcal and a mean reaction entropy of $\Delta S^o = 36.2 \pm 0.6$ Cl are obtained. Orientation measurements were made to gain knowledge of the velocity
(Chemistry--Physical, TT, v. 5, no. 4) (over)

61-10385

1. Titanium chlorides--Disproportionation
2. Chemical equilibrium--Measurement

I. Hartmann, H.
II. Rinck, G.

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TT-65-13756 Field 7D

Hartmann, H.; Bosche, H. G.; Heydtmann, H.
EFFECT OF THE LENGTH OF CHAIN ON THERMAL DECOMPOSITION KINETICS OF PRIMARY CHLOROALKANES. 13p, 39refs.
Order from SLA: $1.60 as TT-65-13756

Trans. of Zeitschrift fuer Physikalische Chemie Frankfurt (West Germany) v42 n5/6 p329-43 1964.

MR 664

APPROVED FOR RELEASE: 08/15/ 2001 CIA-RDP84-00581R000100210021-1

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(MI-27[illegible]).

Volumetric Determination of Zirconium; Part I. Titration With $KMnO_4$ in an Alkaline Solution, by Anna Schneer, Hilda Hartmann, 19 pp. UNCL

HUNGARIAN, per, Magyar Kemiai Folyoirat, Vol LXV, No 1, Budapest, 1959, pp 31-36.

JRRS 1812-N

Sci - Chem, zirconium
Aug 59

93, 419

APPROVED FOR RELEASE: 08/15/ 2001 CIA-RDP84-00581R000100210021-1

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Hartmann, J.
TESTING THE CURING OF STOVING FINISHES BY MEANS OF CURRY POWDER. 27 Feb 63, 15 words. Order from TTIS $15.00 TTIS-2443

Trans. of Farbe u[nd] Lack (West Germany) 1962 v. 68 [no. 9] p. 595-598.

DESCRIPTORS: Test methods, Aging (Materials), *Finishes, Powders, *Heaters.

(Materials--Finishes, TT, v. 9, no. 10)

63-12993

I. Hartmann, J.
II. TTIS-2443
III. Translation and Technical Information Services (Gt. Brit.)

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Title Unknown, by J. Hartmann,
GERMAN, per, Zeit fuer Instrumentenkunde,
Vol XXIV, No 1, pp 1-21, and Vol XXIV,
No 2, pp 33-47, 1904.
*RSIC

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Doc 66

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Study of Objectives, by J. Hartmann,
GOVERNMENT USE ONLY
GERMAN, per, Zeitschrift fur Instrumentenkunde,
Vol XXIV, No 4, 1904, pp 97-117.
RSIC-674

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Aug 57

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APPROVED FOR RELEASE: 08/15/ 2001 CIA-RDP84-00581R000100210021-1

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Hartmann, J. A. H.
THE PRESTRESSED CABLE. [1961] 4p.
Order from SLA $1.10 61-18998

Trans. from de Ingenieur (Netherlands) 1950, v. 62, no. 21.

DESCRIPTORS: *Steel wire, Tensile properties, *Reinforced concrete, Concrete, Processing, Wire.

(Engineering--Civil, TT, v. 7, no. 1)

61-18998

1. Hartmann, J. A. H.

184230

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GERMAN, Radio und Fernsehen, No 16, Aug 1958, pp 497-500.

FDD/X-3953

EE - Germany
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Immune and Starch Gel Electrophoresis of the Serum and Urine of Subjects With Nephrotic Syndromes, by P. Milliez, L. Hartmann, G. Lagrue, 14 pp.

FRENCH, per, d'Urologie Medicale et Chirurgicale, Vol LXV, 1959, pp 248-257.

SLA 60-17766

Sci

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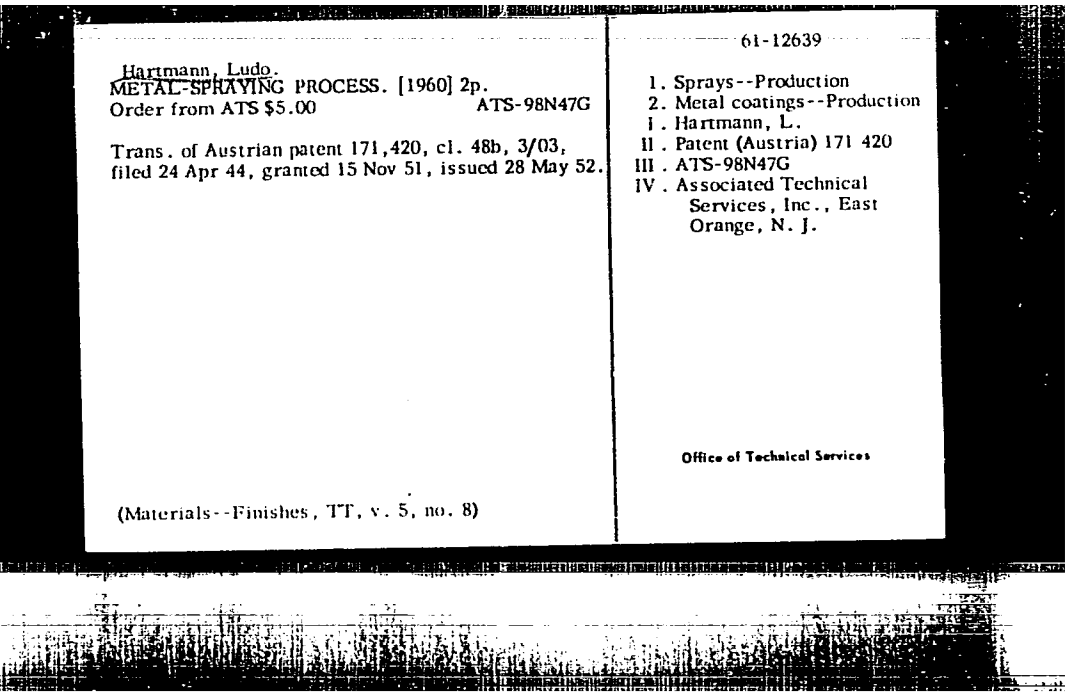

Hartmann, Ludo.
METAL-SPRAYING PROCESS. [1960] 2p.
Order from ATS $5.00 ATS-98N47G

Trans. of Austrian patent 171,420, cl. 48b, 3/03, filed 24 Apr 44, granted 15 Nov 51, issued 28 May 52.

(Materials--Finishes, TT, v. 5, no. 8)

61-12639

1. Sprays--Production
2. Metal coatings--Production
I. Hartmann, L.
II. Patent (Austria) 171 420
III. ATS-98N47G
IV. Associated Technical Services, Inc., East Orange, N. J.

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APPROVED FOR RELEASE: 08/15/ 2001 CIA-RDP84-00581R000100210021-1

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Measurements of Water Circulation in a High-Pressure Boiler, by O. H. Hartmann, O. Kehrer, 14 pp.

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ATS 40L290

HTS-591-GJ

Sci - Engr
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Measurements of Water Circultaion and Tube Wall Temperature on a High Pressure Locomotive, by O. H. Hartmann, 2 pp.

GERMAN, Ver Deut Ing Z, Vol LXXX, No 52, pp 1551-1552.

ATS 391290

ATS-590-GS

Sci - Engr
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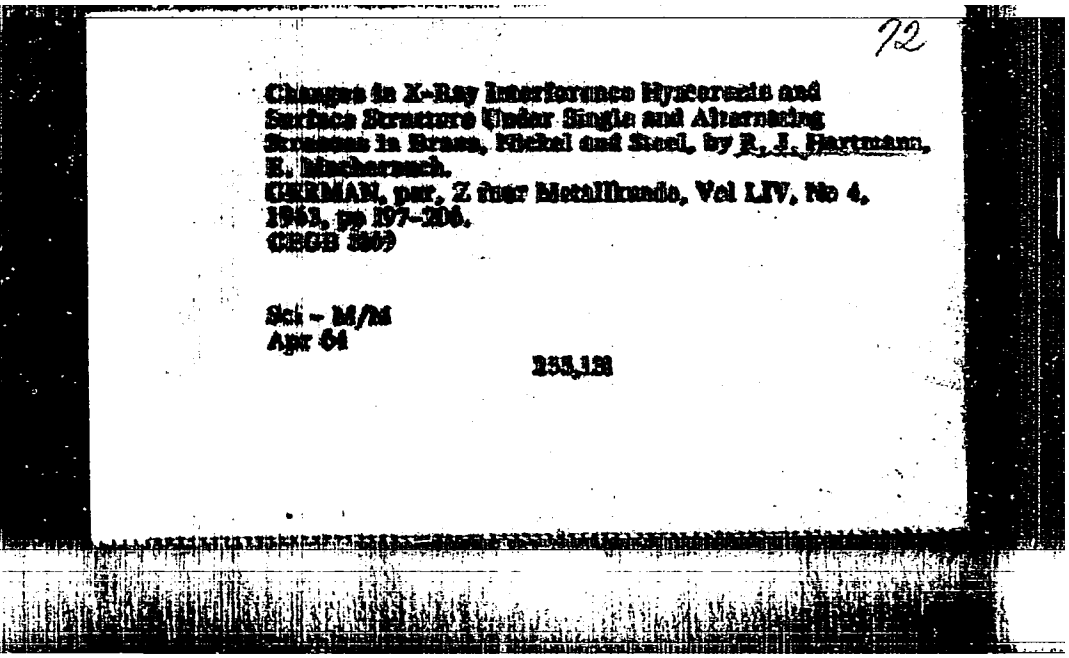

72

Changes in X-Ray Interference Hyperarcs and Surface Structure Under Single and Alternating Stresses in Brass, Nickel and Steel, by R. J. Hartmann, E. Macherauch.
GERMAN, per, Z fuer Metallkunde, Vol LIV, No 4, 1963, pp 197-206.
CSGB 3809

Sci - M/Ni
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Hartmann, Randolf J. and Macherauch, Eckard. INVESTIGATIONS OF SLIP PROCESSES IN SINGLE CRYSTALLITES OF POLYCRYSTALLINE COPPER SAMPLES (Untersuchung von Gleitvorgangen in Einzelkristalliten Vielkristalliner Kupferproben). [1961] [25]p. (foreign text included) 11 refs. Order from SLA $2.60 61-20085

Trans. of Z[eitschrift fur] Metallkunde (West Germany) 1960, v. 51 [no. 12] p. 694-699.

DESCRIPTORS: *Copper, Crystals, *Single crystals, Deformation, Shear stresses, Plastic flow.

The slip planes activated during tensile deformation of polycrystalline pure copper specimens have been determined from slip band direction and crystallite orientation. In many cases, slip took place only in others than the primary system. The effective (Physics--Solid State, TT, v. 7, no. 1) (over)

61-20085

I. Hartmann, R. J.
II. Macherauch, E.

184239

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The Effect of Methyl Groups Upon the Ionization Potential of Aromatic and Unsaturated Compounds, by Hermann and Svendsen Hartmann, Bonnevie Moj, 15 pp.

GERMAN, per, Zeit fuer Physik Chem, Vol XI, 1957, pp 16-29.

SIA 59-10666

Sci - Chem
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Employment of Combat Engineer Battalion 12 in Disaster Relief as Advance 1954 Assignment During the Period 23 Aug - 11 Sep 1954, by Maj Th. Hartmann, 23 pp.

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C-2, GSUSA G-4803

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Measuring Instruments For Nuclear Physics, by W. Herrmann, 16 pp.

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USASIA SC-11/60

Sci - Nuc Physics

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NUCLEAR RESESEARCH AND NUCLEAR ENGINEERING IN THE GERMAN DEMOCRATIC REPUBLIC, BY W. HARTMANN, 25 PP.

GERMAN, PER, KERNENERGIE, VOL V, NO 6, JUNE 1962, PP 489-496.

JPRS 16739

SCI - NUCLEAR PHYSICS

JAN 63

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Discharge Tests and Force Measurements on the Stationary Bleading of a Single Stage Experimental Turbine in the Air Test Plant, by W. Hartmann, 41 p.

GERMAN, per, VDI-Forschungsheft, 1939, No 397, pp 1-20,

SLA 59-17725

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Feb 60
Vol 2, No 10

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APPROVED FOR RELEASE: 08/15/ 2001 CIA-RDP84-00581R000100210021-1

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Electrical Investigations of Oxide Semiconductors, by Werner Hartmann, 23 pp.

GERMAN, per, Z. fuer Physik, Vol CII, 1936, pp 709-733.

US Dept of Commerce
Nat'l Bureau of Standards

Sci - Electricity; Physics
Dec 56 CTS

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Process of Separating Dust From Vapor by Suction or Compressed Air in the Drying and Conveyance of Brown Coal and Similar Materials, by Wilhelm Hartmann, 4 pp.

GERMAN, Austrian Patent No 55,275.

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Patent Office
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Sci - Chemistry, Engineering
Nov 58

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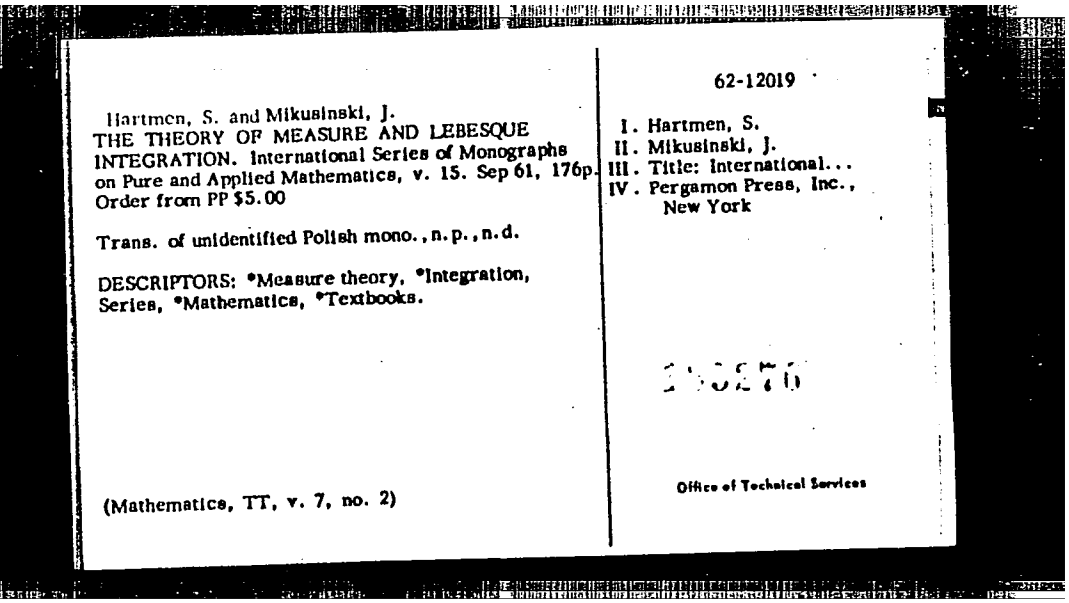

Hartmen, S. and Mikusinski, J.
THE THEORY OF MEASURE AND LEBESQUE INTEGRATION. International Series of Monographs on Pure and Applied Mathematics, v. 15. Sep 61, 176p. Order from PP $5.00

Trans. of unidentified Polish mono., n.p., n.d.

DESCRIPTORS: *Measure theory, *Integration, Series, *Mathematics, *Textbooks.

(Mathematics, TT, v. 7, no. 2)

62-12019

I. Hartmen, S.
II. Mikusinski, J.
III. Title: International...
IV. Pergamon Press, Inc., New York

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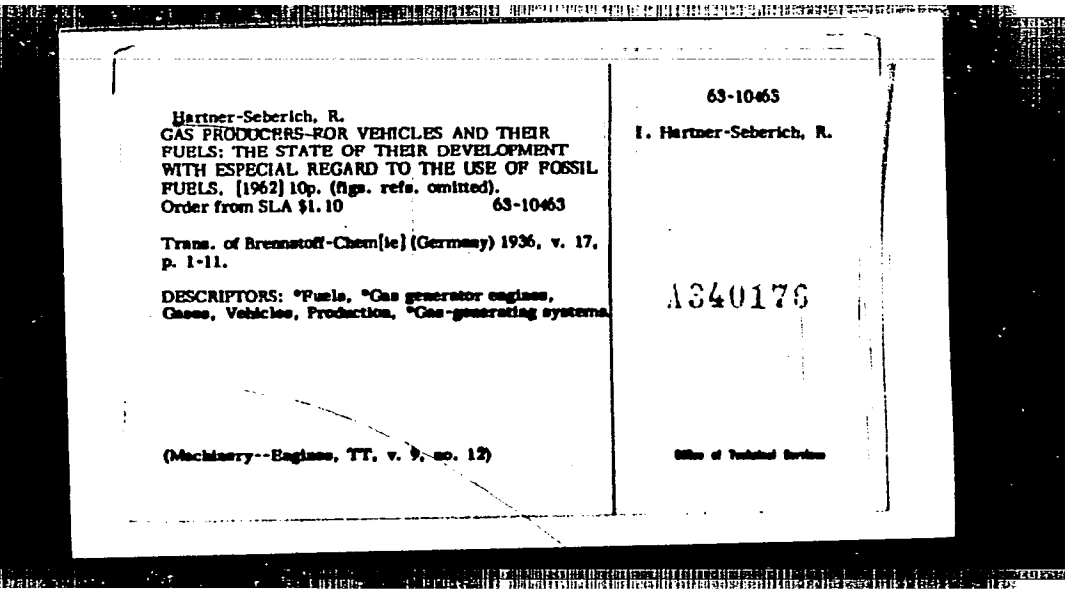

Hartner-Seberich, R.
GAS PRODUCERS--FOR VEHICLES AND THEIR FUELS: THE STATE OF THEIR DEVELOPMENT WITH ESPECIAL REGARD TO THE USE OF FOSSIL FUELS. [1962] 10p. (figs. refs. omitted).
Order from SLA $1.10 63-10463

Trans. of Brennstoff-Chem[ie] (Germany) 1936, v. 17, p. 1-11.

DESCRIPTORS: *Fuels, *Gas generator engines, Gases, Vehicles, Production, *Gas-generating systems.

(Machinery--Engines, TT, v. 9, no. 12)

63-10463

I. Hartner-Seberich, R.

A340176

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(NY-4470),

In Regard to the Mobilization and Organization of the Peasants, by Hartojo, 5 pp.

INDONESIAN, per, Suara Tani, Vol X, No 11, 1959, p 3.

JPRS 5299

FE - Indonesia
Pol
Sep 60

125,052

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Some Experiences Regarding Internal Party Training, by S. W. Hartojo, 4 pp.

INDONESIAN, per, Kehidupan Partai, No 5-8, 1957, pp 81, 82.

JPRS 2782

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Pol

Jun 60

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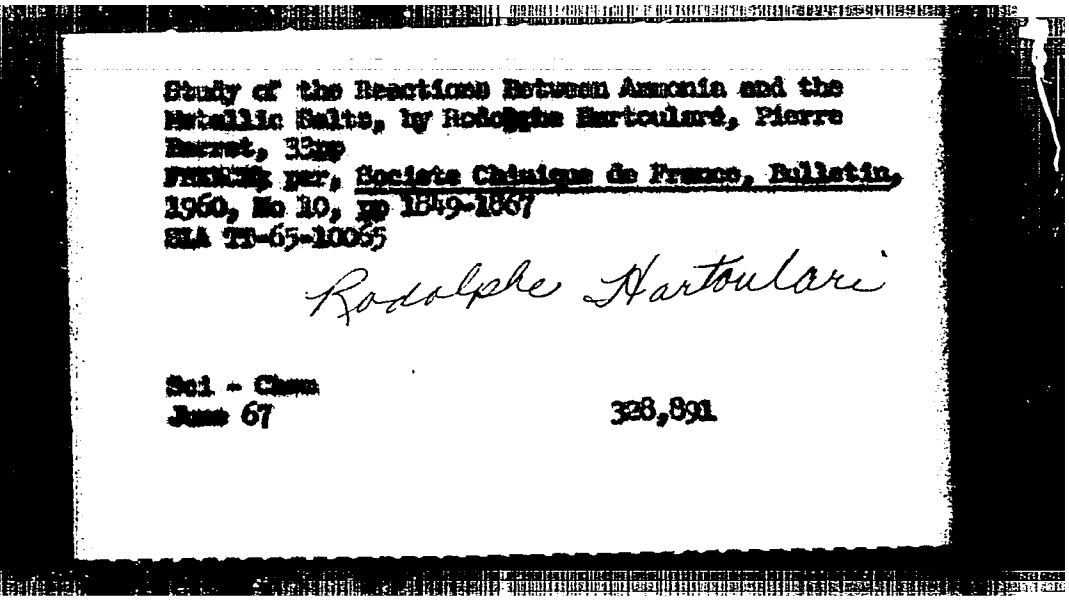

Study of the Reactions Between Ammonia and the Metallic Salts, by Rodolphe Bartoularé, Pierre Barret, 33pp
Publ. per, Societe Chimique de France, Bulletin, 1960, No 10, pp 1849-1867
SLA TT-65-10065

Rodolphe Bartoularé

Sci - Chem
June 67

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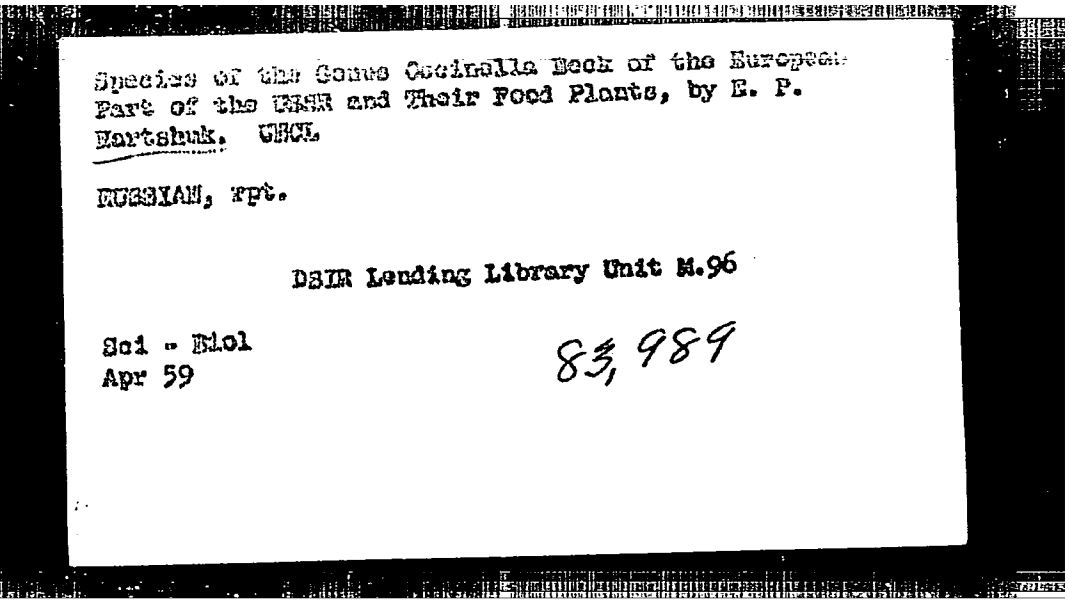

Species of the Genus Coccinella Deck of the European Part of the USSR and Their Food Plants, by E. P. Kartshuk. UKOL

RUSSIAN, rpt.

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Sci - Biol
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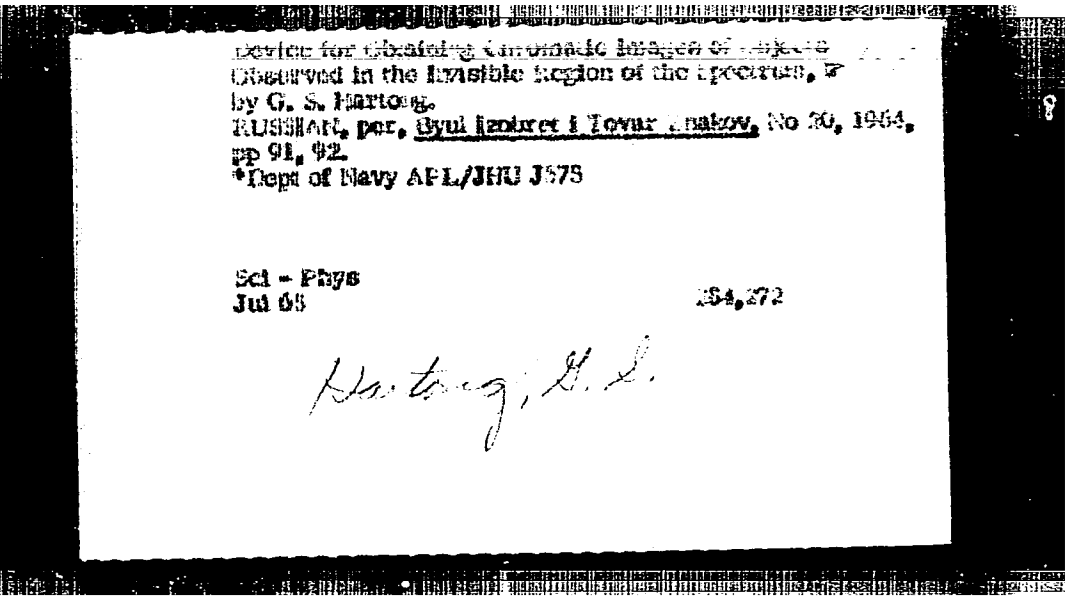

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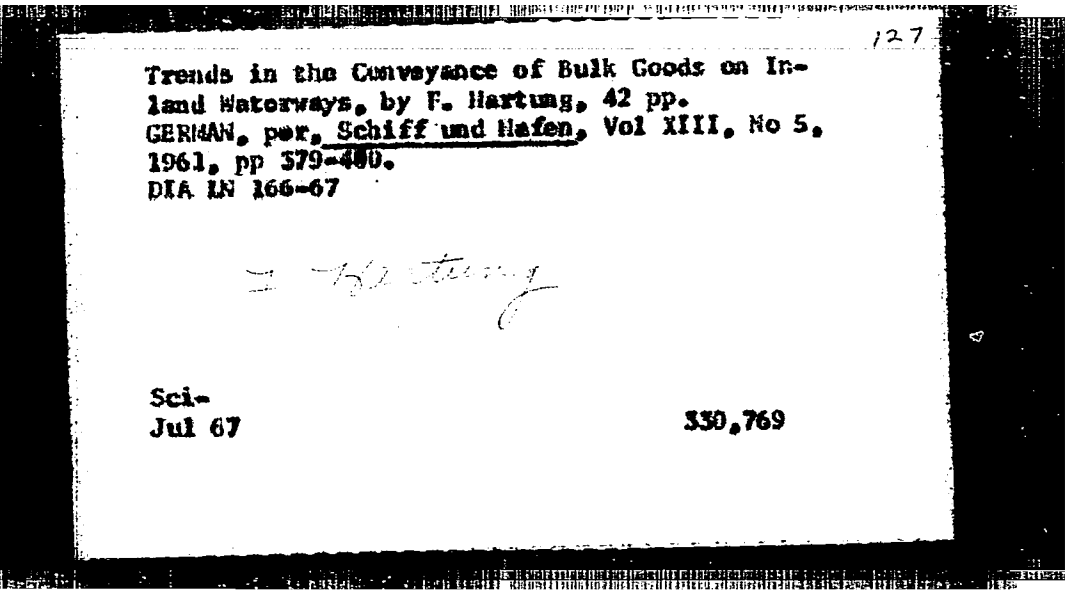

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